BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

FIRST AND FINAL BILL

Name of work:	Improvements to Roads, Drains and Covering Slab at Doddabommasandra in Ward No. 10 (Doddabommasandra).
Estimated Cost :	Rs. 100.00 Lakhs
Job Code:	010-20-000064
Head of Account :	P-0541 Emergency Reserve Fund
Name of Agency:	Sri. K.B. Alankar, H No. 12, MSV Network Road, near Shoba Apartment, Amruthalli, Sahakaranagara Post, Bangalore - 560092
Work order No:	BBMP/EE/BTP/WO/193/2020-21 Dated: 23-02-2021.
Date of Recording:	

Sl. No.	Description of work	No.	Length	Breadth			Depth	Quantity	Rate / Unit	Amount in Rs.
				B1	B2	Avg B				
1	Removing and resetting of footpath slab								Sqm	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 01 to 02 is =							**773.62**	**219.18**	**169562.00**
2	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 03 is =							**457.27**	**144.63**	**66135.00**
3	KSRRB M2900- PCC 1:3:6 in Foundation KSRRB M2900-1. Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications MORTH Specification No.								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 04 is =							**70.10**	**4701.75**	**329593.00**
4	Providing laying palin / reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300kgs with 20mm and downsize granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering shuttering cost of materials, HOM of machinery, curing etc., complet excluding cost of steel as per MORTH specification No. 1500,1700,2200 including cost of materials, labour, HOM complete as per specifications **wall & bottom thickness 15cm**								Cum	
	For RCC Drain									
	Bottom Raft									
	Mutturayaswamy Layout									
	1st A Cross from SWD									
		1	12.20			0.95	0.15	1.74		
	Continued length from Culvert									
		1	10.60			0.95	0.15	1.51		
		1	21.50			0.95	0.15	3.06		
	RHS									
		1	30.00			0.90	0.15	4.05		
		1	20.00			0.90	0.15	2.70		

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara P

13.06

Sl. No.	Description of work	No.	Length	Breadth B1	Breadth B2	Breadth Avg B	Depth	Quantity	Rate / Unit	Amount in ₹
	1st Main Road from 1st A Cross									
	LHS	1	30.00			0.90	0.15	4.05		
		1	26.00			0.90	0.15	3.51		
	Chamundeshwari Layout 2nd Cross									
	LHS	1	30.00			0.90	0.15	4.05		
		1	6.00			0.90	0.15	0.81		
	RHS									
		1	30.00			0.90	0.15	4.05		
	1st A Main from 1st Main									
	RHS	1	30.00			0.90	0.15	4.05		
		1	5.00			0.90	0.15	0.68		
	MLA Narayanappa House Road									
		1	12.40			0.95	0.15	1.77		
		1	30.00			0.90	0.15	4.05		
		1	30.00			0.90	0.15	4.05		
		1	16.80			0.90	0.15	2.27		
	Walls									
	Mutturayaswamy Layout									
	1st A Cross from SWD	2	12.20			0.15	1.20	4.39		
	Continued length from Culvert									
		2	10.60			0.15	1.20	3.82		
		2	21.50			0.15	0.90	5.81		
	RHS									
		2	30.00			0.15	0.70	6.30		
		2	20.00			0.15	0.70	4.20		
	1st Main Road from 1st A Cross									
	LHS	2	30.00			0.15	0.60	5.40		
		2	26.00			0.15	0.60	4.68		
	Chamundeshwari Layout 2nd Cross									
	LHS	2	30.00			0.15	0.53	4.77		
		2	6.00			0.15	0.58	1.04		
	RHS									
		2	30.00			0.15	0.60	5.40		
	1st A Main from 1st Main									
	RHS	2	30.00			0.15	0.55	4.95		
		2	5.00			0.15	0.60	0.90		
	MLA Narayanappa House Road									
		2	12.40			0.15	0.60	2.23		
		2	30.00			0.15	0.60	5.40		
		2	30.00			0.15	0.60	5.40		
		2	16.80			0.15	0.60	3.02		
								114.11		
								113.90	7420.88	845238.00

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

Sl. No.	Description of work	No.	Length	Breadth B1	Breadth B2	Breadth Avg B	Depth	Quantity	Rate / Unit	Amount in Rs.
	Date of Recording:									
5	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.1 (P.No.16, I.No.4.28 of PW,P&IWTD SR 2018-19)								Sqm	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 05 is =							**10.00**	**287.04**	**2870.00**
6	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (P.No.16, I.No.4.31 of PW,P&IWTD SR 2018-19)								Sqm	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 06 is =							**48.00**	**398.30**	**19118.00**
7	Providing and laying in position plain/reainforced cement concrete M20 for sub structure/ Superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse aggregate @ 0.69 cum and fine aggregates @ 0.46 cum machine mixed with superplasticisers @ 3ltrs confirming to IS 9103-2008, concrete laid in layers, well compacted and providing weep holes wherever necessary with necessary scaffoldingf, formwork etc., including cost of labour, HOM curing etc., complete								Cum	
	Bottom Raft									
	Culverts									
	Murrurayaswamy Layout Main Roa	1	4.30		1.50	0.25		1.61		
	Murrurayaswamy Layout 1st A Cro	1	7.20		1.50	0.25		2.70		
	Venugopalswamy Temple Road	1	4.60		1.50	0.25		1.73		
	Walls									
	Murrurayaswamy Layout Main Roa	2	4.30		0.25	0.75		1.61		
	Murrurayaswamy Layout 1st A Cro	2	7.20		0.25	0.75		2.70		
	Venugopalswamy Temple Road	2	4.60		0.25	0.75		1.73		
								12.08		
								12.00	**5539.52**	**66474.00**

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

ASSISTANT EXECUTIVE ENGI
Vidyaranyapura Sub-Divisi
Bengaluru Nahara

Sl. No.	Description of work	No.	Length	Breadth B1	Breadth B2	Breadth Avg B	Depth	Quantity	Rate / Unit	Amount in Rs.
	Date of Recording:									
8	KSRRB M2200-6. Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH specification No 1600 & 2200								Tonne	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 07 is =							**7.80**	**68273.23**	**532531.00**
9	Providing granite slabs of selected quality roughly dressed having a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete								Sqm	
	Muthurayaswamy Layout									
	1st A Cross Road from SWD									
	RHS									
		1	30.00			0.75		22.50		
		1	21.00			0.75		15.75		
	1s Main from 1st A Cross									
	LHS									
		1	30.00			0.75		22.50		
		1	26.00			0.75		19.50		
	Precast Slab	-27	0.60			0.75		-12.15		
	Chamundeshwari Layout 2nd Cross									
	LHS									
		1	30.00			0.90		27.00		
		1	6.00			0.90		5.40		
	RHS									
		1	30.00			0.75		22.50		
	1st A Main									
	RHS	1	30.00			0.90		27.00		
		1	5.00			0.90		4.50		
	6th Cross Chamundeshwari Layout									
	RHS	1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	4.50			0.75		3.38		
	LHS									
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	4.50			0.75		3.38		
	Muthurayaswamy Layout Main Road									
	RHS	1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	17.80			0.75		13.35		

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub
Bruhath Bengaluru Mahanagara

Sl. No.	Description of work	No.	Length	Breadth B1	Breadth B2	Breadth Avg B	Depth	Quantity	Rate / Unit	Amount in Rs.
	LHS									
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	18.60			0.75		13.95		
	Missing Covering Slab									
	Chamundeshwari Layout 1st Main									
	RHS	15	0.60			0.75		6.75		
		17	0.60			0.75		7.65		
	LHS									
		19	0.60			0.75		8.55		
		14	0.60			0.75		6.30		
	Venugopala swamy Temple									
	LHS									
		10	0.60			0.75		4.50		
		20	0.60			0.75		9.00		
		15	0.60			0.75		6.75		
	From 1st Main Road									
		6	0.60			0.75		2.70		
		10	0.60			0.75		4.50		
		8	0.60			0.75		3.60		
		7	0.60			0.75		3.15		
								657.00		
								656.48	**1014.67**	**666111.00**

144.90

ASSISTANT EXECUTIVE ENGINEER Vidyaranyapura Sub-Division Bangaluru Mahanagara Pal

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl. No.	Description of work	No.	Length	Breadth B1	Breadth B2	Breadth Avg B	Depth	Quantity	Rate / Unit	Amount in Rs.
	Date of Recording:									
10	KSRB 5-8.1 : Providing one line dressing to granite stone slab / granite stone masonry as per specifications .KBS 5.1.13								Sqm	
	Muthurayaswamy Layout									
	1st A Cross Road from SWD									
	RHS									
		1	30.00			0.75		22.50		
		1	21.00			0.75		15.75		
	1s Main from 1st A Cross									
	LHS	1	30.00			0.75		22.50		
		1	26.00			0.75		19.50		
	Precast Slab	-27	0.60			0.75		-12.15		
	Chamundeshwari Layout 2nd Cross									
	LHS	1	30.00			0.90		27.00		
		1	6.00			0.90		5.40		
	RHS									
		1	30.00			0.75		22.50		
	1st A Main									
	RHS	1	30.00			0.90		27.00		
		1	5.00			0.90		4.50		
	6th Cross Chamundeshwari Layout									
	RHS	1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	4.50			0.75		3.38		
	LHS									
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	4.50			0.75		3.38		
	Muthurayaswamy Layout Main Road									
	RHS	1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	17.80			0.75		13.35		
	LHS									
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	18.60			0.75		13.95		
	Missing Covering Slab									
	Venugopala swamy Temple									

593.55

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Pa

Sl. No.	Description of work	No.	Length	Breadth B1	Breadth B2	Breadth Avg B	Depth	Quantity	Rate / Unit	Amount in Rs.
	LHS									
		10	0.60			0.75		4.50		
		20	0.60			0.75		9.00		
		15	0.60			0.75		6.75		
			795.80					613.80		
								610.73	997.98	609496.00

20.25

Assistant Engineer
Ward No. 10

ASSISTANT EXECUTIVE ENGINEER
Assistant Executive Engineer
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

Sl. No.	Description of work	No.	Length	Breadth B1	Breadth B2	Breadth Avg B	Depth	Quantity	Rate / Unit	Amount in Rs.
	Date of Recording:									
11	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13								Mtrs	
		1326	2.70					3581.10		
								1765.80	**64.53**	**113947.00**
12	RCC Precast cover slab of 250mm thick Providing and Fixing Pre cast Reinforced Cement concrete Covering Slabs of 25cms thick made out of M25 with OPC Cement at 340kg/cum with 20mm and down size graded granite metal coarse aggregates at 0.70cum and Fine Aggregates at 0.74cum with Superplasticisers ,machine mixed including providing and removing centring shuttering strutting propping etc,for edge of slabs with TMT steels (Fe-500) Cost and Reinforcement charges, including finishing as required with cost of all materials, labours and all lead and lift,HOM machineries,curing,including cost of reinforcement etc., complete as direction of Engineer in charge of the work								Sqm	
	Culverts									
	Murrurayaswamy Layout Main Roa	1	4.30			1.50	--	6.45		
	Murrurayaswamy Layout 1st A Cro	1	7.20			1.50	--	10.80		
	Venugopalswamy Temple Road	1	4.60			1.50	--	6.90		
								24.15		
								24.00	**5475.76**	**131418.00**

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl. No.	Description of work	No.	Length	Breadth B1	Breadth B2	Breadth Avg B	Depth	Quantity	Rate / Unit	Amount in Rs.
	Date of Recording:									
13	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No.								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 08 to 09 is =							**240.94**	**1000.21**	**240991.00**
14	Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. MORTH Specification No.301								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 10 to 11 is =							**289.02**	**45.62**	**13185.00**
15	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Using concrete Batching plant at 75cum/hr capacity with fixed form paver clause 601 of MORTH V Revision and IS 456 Table -5								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 12 to 13 is =							**395.61**	**4077.59**	**1613135.00**
16	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)								Cum	
	For CC Road									
	Chamundeshwari Layout									
	Mla Narayanappa House road from Dead End									
		1	15.00	4.20	4.10	4.15	0.15	9.34		
		1	15.00	4.10	4.80	4.45	0.15	10.01		
		1	15.00	4.80	4.20	4.50	0.15	10.13		
		1	15.00	4.20	3.90	4.05	0.15	9.11		
		1	15.00	3.90	4.00	3.95	0.15	8.89		
		1	15.00	4.00	4.10	4.05	0.15	9.11		
		1	15.00	4.10	4.10	4.10	0.15	9.23		
		1	15.00	4.10	4.00	4.05	0.15	9.11		
		1	12.50	4.00	2.90	3.45	0.15	6.47		

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Byrathi Bengaluru North (1)

81.39

Sl. No.	Description of work	No.	Length	Breadth B1	Breadth B2	Breadth Avg B	Depth	Quantity	Rate / Unit	Amount in Rs.
	6th Main Road from Doddabommasandra Main Road to Dead End									
		1	15.00	4.60	5.30	4.95	0.15	11.14		
		1	15.00	5.30	5.30	5.30	0.15	11.93		
		1	15.00	5.30	4.80	5.05	0.15	11.36		
		1	15.00	4.80	5.30	5.05	0.15	11.36		
		1	15.00	5.30	4.90	5.10	0.15	11.48		
		1	15.00	4.90	4.70	4.80	0.15	10.80		
		1	15.00	4.70	5.00	4.85	0.15	10.91		
		1	15.00	5.00	5.00	5.00	0.15	11.25		
		1	15.00	5.00	5.50	5.25	0.15	11.81		
		1	15.00	5.50	5.20	5.35	0.15	12.04		
		1	15.00	5.20	4.70	4.95	0.15	11.14		
		1	15.00	4.70	5.20	4.95	0.15	11.14		
		1	4.00	5.20	5.20	5.20	0.15	3.12		
	Mutturayaswamy Layout									
	1st A Cross Road from SWD									
		1	15.00	6.60	7.00	6.80	0.15	15.30		
		1	15.00	7.00	7.00	7.00	0.15	15.75		
		1	15.00	7.00	6.90	6.95	0.15	15.64		
		1	14.00	6.90	6.50	6.70	0.15	14.07		
	Krishna Murthy Layout									
	1st Cross Road from Main Road to Dead End									
		1	15.00	5.60	5.70	5.65	0.15	12.71		
		1	15.00	5.70	5.70	5.70	0.15	12.83		
		1	9.00	5.70	5.80	5.75	0.15	7.76		
	Seethappa Layout									
	1st Cross L/S from Main Road to Dead End									
		1	15.00	5.90	4.90	5.40	0.15	12.15		
		1	15.00	4.90	5.00	4.95	0.15	11.14		
		1	9.00	5.00	5.00	5.00	0.15	6.75		
	1st Cross R/S from Main Road to Dead End									
		1	15.00	5.50	4.40	4.95	0.15	11.14		
		1	19.00	4.40	5.30	4.85	0.15	13.82		
	6th Main Road Chamundeshwari LO									
	Cross Road 1	1	17.20	4.70	4.70	4.70	0.15	12.13		
	Cross Road 2	1	16.00	4.60	4.60	4.60	0.15	11.04		
	Cross Road 3	1	15.90	4.30	4.10	4.20	0.15	10.02		
	1st A Cross Muthurayaswamy Layout									
	SWD to Dead End									
		1	15.00	6.10	5.50	5.80	0.15	13.05		
		1	15.00	5.50	4.40	4.95	0.15	11.14		
		1	8.20	4.40	4.80	4.60	0.15	5.66		
	1st main 2nd cross chamundeshwari lyt									
		1	15.00	6.10	6.10	6.10	0.15	13.73		
		1	15.00	6.10	5.00	5.55	0.15	12.49		
		1	15.00	5.00	5.80	5.40	0.15	12.15		
		1	15.00	5.80	6.00	5.40	0.15	12.15		
		1	7.50	5.00	4.70	4.85	0.15	5.46		
	Kallappa Layout RHS									
		1	15.00	4.80	4.70	4.75	0.15	10.69		

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Pal

4/8/21

Sl. No.	Description of work	No.	Length	Breadth B1	Breadth B2	Breadth Avg B	Depth	Quantity	Rate / Unit	Amount in Rs.
		1	15.00	4.70	4.80	4.75	0.15	10.69		
		1	15.00	4.80	4.60	4.70	0.15	10.58		
		1	15.00	4.60	4.70	4.65	0.15	10.46		
		1	15.00	4.70	4.70	4.70	0.15	10.58		
		1	14.90	4.70	4.70	4.70	0.15	10.50		
	Kallappa Layout LHS									
		1	15.00	3.70	3.70	3.70	0.15	8.33		
		1	10.00	3.70	3.60	3.65	0.15	5.48		
	KNET College 1st Cross									
		1	15.00	3.80	3.70	3.75	0.15	8.44		
		1	15.00	3.70	3.80	3.75	0.15	8.44		
		1	15.00	3.80	3.80	3.80	0.15	8.55		
		1	10.50	3.80	3.90	3.85	0.15	6.06		
	KNET College 2nd Cross									
		1	15.00	3.80	3.80	3.80	0.15	8.55		
		1	15.00	3.80	3.70	3.75	0.15	8.44		
		1	15.00	3.70	3.80	3.75	0.15	8.44		
		1	15.00	3.80	3.90	3.85	0.15	8.66		
		1	10.80	3.90	4.00	3.95	0.15	6.40		
	Deductions									
	Chamundeshwari Layout									
	MLA Narayanappa House Road									
	Tree Area	-1	0.60	0.60	0.60	0.60	0.15	-0.05		
	Ramp	-1	8.40	0.60	0.60	0.60	0.15	-0.76		
	Electric Pole	-3	4.00	0.20	0.30	0.25	0.15	-0.45		
	Man Hole	-4	(3.142x0.9x0.9)/4				0.15	-0.38		
	6th Main Road									
	Tree Area	-2	0.60	0.40	0.40	0.40	0.15	-0.07		
		-8	0.30	0.20	0.20	0.20	0.15	-0.07		
	Man Hole	-3	(3.142x0.9x0.9)/4				0.15	-0.29		
	Electric Pole	-3	0.45	0.45	0.45	0.45	0.15	-0.09		
		-3	0.30	0.20	0.20	0.20	0.15	-0.03		
	Chamber	-3	1.00	0.75	0.75	0.75	0.15	-0.34		
	Mutturayaswamy Layout									
	1st A Cross Road									
	Tree Area	-6	0.45	0.45	0.45	0.45	0.15	-0.18		
	Electric Pole	-4	4.00	0.20	0.30	0.25	0.15	-0.60		
	Man Hole	-3	(3.142x0.9x0.9)/4				0.15	-0.29		
								634.59		
								633.57	**5469.42**	**3465260.00**

Cafe

ASSISTANT EXECUTIVE ENGINEER Vidyaranyapura Sub-Division Bengaluru Mahanagara

134.98

Sunitha. N L
Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl. No.	Description of work	No.	Length	Breadth B1	Breadth B2	Breadth Avg B	Depth	Quantity	Rate / Unit	Amount in Rs.
	Date of Recording:									
16	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.								Sqm	
	For CC Road									
	Chamundeshwari Layout									
	Mla Narayanappa House road from Dead End									
		1	15.00	4.20	4.10	4.15		62.25		
		1	15.00	4.10	4.80	4.45		66.75		
		1	15.00	4.80	4.20	4.50		67.50		
		1	15.00	4.20	3.90	4.05		60.75		
		1	15.00	3.90	4.00	3.95		59.25		
		1	15.00	4.00	4.10	4.05		60.75		
		1	15.00	4.10	4.10	4.10		61.50		
		1	15.00	4.10	4.00	4.05		60.75		
		1	12.50	4.00	2.90	3.45		43.13		
	6th Main Road from Doddabommasandra Main Road to Dead End									
		1	15.00	4.60	5.30	4.95		74.25		
		1	15.00	5.30	5.30	5.30		79.50		
		1	15.00	5.30	4.80	5.05		75.75		
		1	15.00	4.80	5.30	5.05		75.75		
		1	15.00	5.30	4.90	5.10		76.50		
		1	15.00	4.90	4.70	4.80		72.00		
		1	15.00	4.70	5.00	4.85		72.75		
		1	15.00	5.00	5.00	5.00		75.00		
		1	15.00	5.00	5.50	5.25		78.75		
		1	15.00	5.50	5.20	5.35		80.25		
		1	15.00	5.20	4.70	4.95		74.25		
		1	15.00	4.70	5.20	4.95		74.25		
		1	4.00	5.20	5.20	5.20		20.80		
	Mutturayaswamy Layout									
	1st A Cross Road from SWD									
		1	15.00	6.60	7.00	6.80		102.00		
		1	15.00	7.00	7.00	7.00		105.00		
		1	15.00	7.00	6.90	6.95		104.25		
		1	14.00	6.90	6.50	6.70		93.80		
	Krishna Murthy Layout									
	1st Cross Road from Main Road to Dead End									
		1	15.00	5.60	5.70	5.65		84.75		
		1	15.00	5.70	5.70	5.70		85.50		
		1	9.00	5.70	5.80	5.75		51.75		
	Seethappa Layout									
	1st Cross L/S from Main Road to Dead End									
		1	16.00	5.90	4.90	5.40		81.00		
		1	15.00	4.90	5.00	4.95		74.25		
		1	9.00	5.00	5.00	5.00		45.00		
	1st Cross R/S from Main Road to Dead End									
		1	15.00	5.50	4.40	4.95		74.25		
		1	19.00	4.40	5.30	4.85		92.15		

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Pa

24.06.13

Sl. No.	Description of work	No.	Length	Breadth B1	Breadth B2	Breadth Avg B	Depth	Quantity	Rate / Unit	Amount in Rs.
	6th Main Road Chamundeshwari LO									
	Cross Road 1	1	17.20	4.70	4.70	4.70		80.84		
	Cross Road 2	1	16.00	4.60	4.60	4.60		73.60		
	Cross Road 3	1	15.90	4.30	4.10	4.20		66.78		
	1st A Cross Muthurayaswamy Layout									
	SWD to Dead End	1	16.00	6.10	5.50	5.80		87.00		
		1	15.00	5.50	4.40	4.95		74.25		
		1	8.20	4.40	4.80	4.60		37.72		
	1st main 2nd cross chamundeshwari lyt									
		1	15.00	6.10	6.10	6.10		91.50		
		1	15.00	6.10	5.00	5.55		83.25		
		1	15.00	5.00	5.80	5.40		81.00		
		1	15.00	5.80	5.00	5.40		81.00		
		1	7.50	5.00	4.70	4.85		36.38		
	Kallappa Layout RHS									
		1	15.00	4.80	4.70	4.75		71.25		
		1	15.00	4.70	4.80	4.75		71.25		
		1	15.00	4.80	4.60	4.70		70.50		
		1	15.00	4.60	4.70	4.65		69.75		
		1	15.00	4.70	4.70	4.70		70.50		
		1	14.90	4.70	4.70	4.70		70.03		
	Kallappa Layout LHS									
		1	15.00	3.70	3.70	3.70		55.50		
		1	15.00	3.70	3.60	3.65		54.75		
		1	8.00	3.60	3.60	3.60		28.80		
	KNET College 1st Cross									
		1	15.00	3.80	3.70	3.75		56.25		
		1	15.00	3.70	3.80	3.75		56.25		
		1	15.00	3.80	3.80	3.80		57.00		
		1	10.50	3.80	3.90	3.85		40.43		
	KNET College 2nd Cross									
		1	15.00	3.80	3.80	3.80		57.00		
		1	15.00	3.80	3.70	3.75		56.25		
		1	15.00	3.70	3.80	3.75		56.25		
		1	15.00	3.80	3.90	3.85		57.75		
		1	10.80	3.90	4.00	3.95		42.66		
	Deductions									
	Chamundeshwari Layout									
	MLA Narayanappa House Road									
	Tree Area	-1	0.60	0.60	0.60	0.60		-0.36		
	Ramp	-1	8.40	0.60	0.60	0.60		-5.04		
	Electric Pole	-3	4.00	0.20	0.30	0.25		-3.00		
	Man Hole	-4	(3.142x0.9x0.9)/4					-2.55		
	6th Main Road									
	Tree Area	-2	0.60	0.40	0.40	0.40		-0.48		
		-8	0.20	0.20	0.20	0.20		-0.48		
	Man Hole	-3	(3.142x0.9x0.9)/4					-1.91		

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhat Bangalore Mahanagara Palike

1821.67

Sl. No.	Description of work	No.	Length	Breadth B1	Breadth B2	Breadth Avg B	Depth	Quantity	Rate / Unit	Amount in Rs.
	Electric Pole	-3	0.45	0.45	0.45	0.45		-0.61		
		-3	0.30	0.20	0.20	0.20		-0.18		
	Chamber	-3	1.00	0.75	0.75	0.75		-2.25		
	Mutturayaswamy Layout									
	1st A Cross Road									
	Tree Area	-6	0.45	0.45	0.45	0.45		-1.22		
	Electric Pole	-4	4.00	0.20	0.30	0.25		-4.00		
	Man Hole	-3	(3.142x0.9x0.9)/4					-1.91		
								4277.63	(-) 10.18	
								4223.80	**75.66**	**319573.00**
17	KSRRB M100-4.1: Cost of Haulage including loading and unloading of stone Boulder / Stone aggregates / Sand /Kankar / Moorum KSRRB M100-1: Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip including with all lead and lifts, loading and unloading,tools, plants, HOM of machinery, cost of materials, labour and other incidental charges etc., complete as per specification and as per the direction by Engineer in charge of the work.MORTH Chapter 1								Cum	
	Same as earthwork excavation qnty							957.61		
	Item No 1 Item No 13 Item No 14 -							**957.61**	**86.70**	**83025.00**
									Total Construction Cost	**9287662.00**
									12%GST for Works	**1114520.00**
									Total	**10402182.00**

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division.

ASSISTANT EXECUTIVE ENGINEER
Bruhath Bengaluru Mahanagara Palike